



SHOCKWAVE DRAINAGE BOARD INSTALLATION INSTRUCTIONS

PRODUCT DESCRIPTION:

Shockwave Drainage Board is made out of recycled products. Cross-link, closed cell Polyethylene-polyolefin foam products are reclaimed from the automotive industry and compressed into boards. It is then covered with a man-made non-woven fabric cover by heat process; no glues or resins are used.

PURPOSE:

Shockwave Drainage Board acts as a drainage medium to channel ground moisture away from the structures foundation and into the buildings drain tile system.

It also protects the Mar-flex waterproofing membrane, especially during backfilling or other construction activity.

SPECIFICATIONS:

- Transmissivity (Flow Rate) (Gallons per Hour per Lineal Foot) - ASTM D-4716
 - 1" - 50 gal/hr/lin.ft
 - 2" - 101.11 gal/hr/lin.ft.
- Permeability – (Gallons per Minute) ASTM D-2434
 - 1" & 2" - 36 gal./min. or 2160/hr.
- Thermal Resistance (R-value) (for 3 Layer Earth-Foam-Concrete) – ASTM C-518
 - 1" - not less than 9, 2" – not less than 13.50
- Compression – ASTM D-1621
 - 1" = 283.72 psi

PACKAGING (Pieces per Skid):

- 1" x 3' x 4' - (40)
- 2" x 3' x 4' - (20)

COVERAGE (Square Footage per Skid):

- 1" - 480
- 2" - 240

PREP/APPLICATION:

Apply one of the Mar-flex waterproofing membranes following the current installation instructions.

While the membrane is still tacky, start at a bottom corner of the foundation, with the filter fabric side facing out-ward, install the Shockwave horizontally over the sprayed sections of the wall.

The boards should be placed side by side, extending from the top of the footers to finished grade.

Sometimes a perfect edge is not possible from piece to piece due to the manufacturing process of the

material. In no way does this deter from the performance of the product.

For good adherence, apply uniform pressure to the board throughout the surface area, not just the edges and corners.

If boards are stacked against the wall, maintain a factory-equivalent edge at all seams to ensure proper fit and drainage channel alignment.

Once the Shockwave is positioned, the boards can be secured to the wall until backfilled with concrete nails or the Mar-flex Geo Clips. Use at all corners and seams.

If using the Geo Clips, secure the Shockwave at the top of the boards, by placing Geo Clip at each corner making sure that at least two prongs from the Geo Clip is placed in each board.

When securing the Shockwave at the seams, place a Geo Clip in the middle of the boards making sure that there is one prong in each board.

Once the Geo Clips are in place, install them using concrete nails.

If the board overlaps the membrane once you have reached the grade line, a utility knife or similar tool can be used to cut the boards to the correct height.

BACKFILLING/DRAINAGE:

Backfilling should begin no sooner than 24 hours after the installation of the board, but must be backfilled within 15 days.

#57 Gravel or equivalent must be no less than 2' high at the base of the foundation and 1' in depth away from the foundation walls.

Adequate interior and exterior foundation drainage at the base of the foundation walls or across any floors must be properly installed and working. Gutters and downspouts must be installed and functioning properly.

Adequate drainage in landscaping beds adjacent to the foundation must be installed.

Final grade must not extend above the waterproofing system and must slope away from the foundation at a minimum of 1/2" per foot for the first 12' from the structure.

CLEAN UP:

This is an inert product and can be placed in a landfill. Or if required comply with all federal, state and local laws and regulations.

PRODUCT HANDLING/STORAGE:

- Maintain good housekeeping

WARNING/DANGERS:

- Use safety glasses
- Protect from flame and other high heat sources

LIMITED PRODUCT WARRANTY:

Every reasonable effort is made to apply Mar-flex exacting standards in both the manufacturing of products and in the information, which we issue concerning these products and their use. We warrant these products to be of good quality and will replace or, at our election, refund the purchase price if any products are proven defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement or refund, Mar-flex makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Mar-flex shall have no other liability with respect thereto.

HEALTH AND SAFETY INFORMATION IS GIVEN IN THE MATERIAL SAFETY DATA SHEET AVAILABLE FOR THIS PRODUCT. THE MATERIAL SAFETY DATA SHEET SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.